

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P248657

Luminaire Tested: **LD8B175D010 ER8B175827 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175827 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17063.0 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

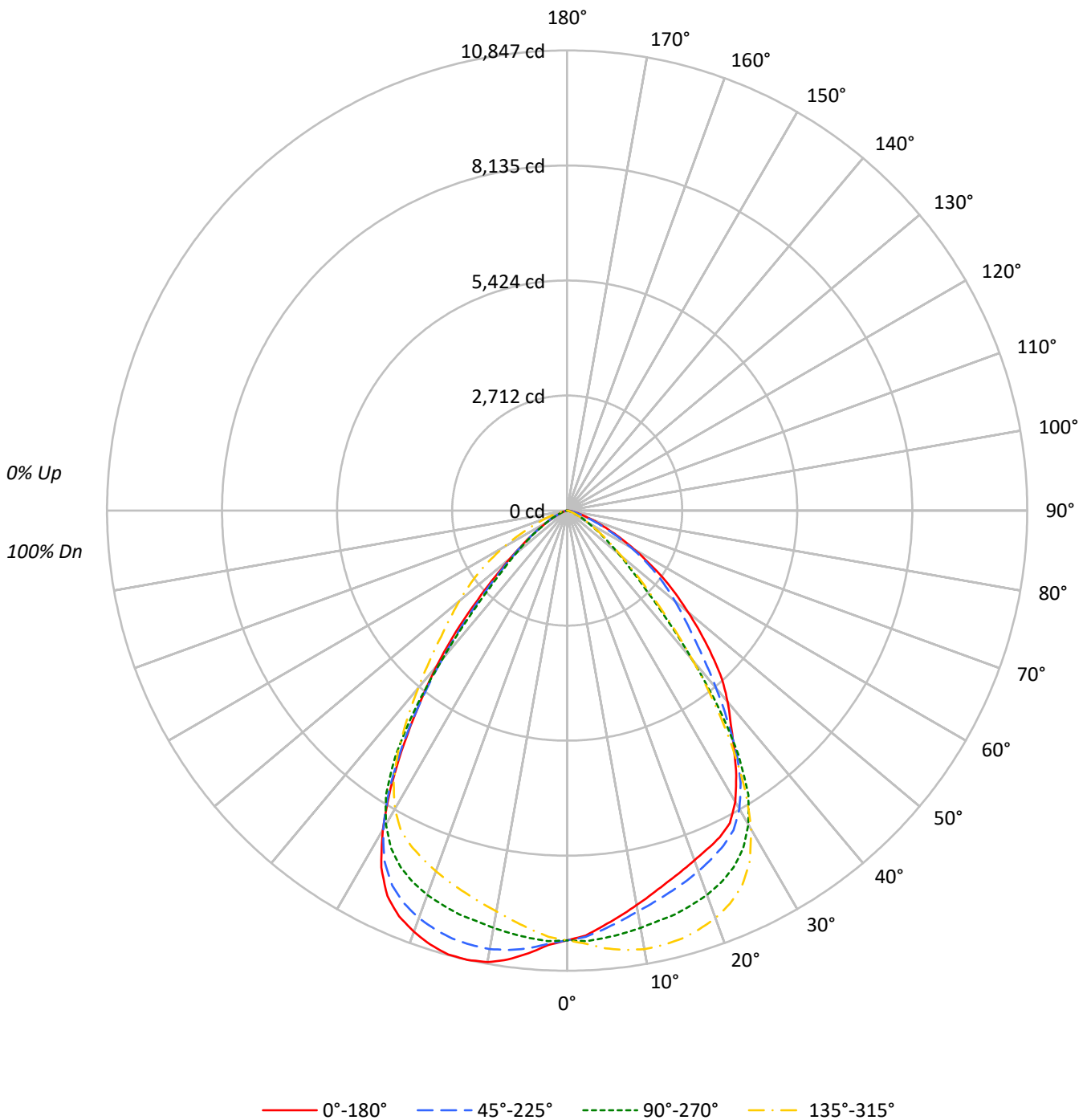
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	312366	312366	312366	312366
5°	304068	313098	324278	313098
10°	295654	312688	338398	312688
15°	289750	314545	345805	314545
20°	287777	316343	346694	316343
25°	289290	315710	341122	315710
30°	282137	304153	309618	304153
35°	258066	265324	251738	265324
40°	236935	184564	192736	184564
45°	210523	112594	130282	112594
50°	178195	75212	83525	75212
55°	147586	51321	54245	51321
60°	112565	34167	34469	34167
65°	79758	21284	19489	21284
70°	57522	14263	12938	14263
75°	36529	7077	5898	7077
80°	25483	5274	4368	5274
85°	22750	0	1734	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	964.2	5.7
10°-20°	2792.0	16.4
20°-30°	4227.7	24.8
30°-40°	4237.2	24.8
40°-50°	2660.8	15.6
50°-60°	1417.9	8.3
60°-70°	583.1	3.4
70°-80°	154.0	0.9
80°-90°	26.1	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7983.9	46.8
0°-40°	12221.2	71.6
0°-60°	16299.8	95.5
0°-90°	17063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17063.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10130	10130	10130	10130	10130	
5°	9823	10115	10476	10115	9823	926
15°	9076	9853	10832	9853	9076	2567
25°	8502	9279	10026	9279	8502	3900
35°	6855	7048	6687	7048	6855	4295
45°	4828	2582	2988	2582	4828	3713
55°	2745	955	1009	955	2745	2447
65°	1093	292	267	292	1093	1134
75°	307	59	50	59	307	347
85°	64	0	5	0	64	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8
2.5°	10025.9	10016.0	10011.1	10021.0	10025.9	10045.7	10040.8	10050.6	10050.6	10055.7	10065.4
5°	9823.2	9818.1	9823.2	9823.2	9842.9	9862.7	9857.8	9872.6	9882.4	9907.2	9917.0
7.5°	9635.2	9635.2	9630.2	9649.9	9659.9	9689.6	9684.5	9709.4	9724.2	9748.8	9783.5
10°	9442.2	9442.2	9447.1	9462.0	9467.1	9511.5	9511.5	9546.1	9565.8	9590.7	9635.2
12.5°	9254.3	9254.3	9284.1	9274.1	9293.8	9328.4	9343.3	9377.9	9407.6	9457.1	9501.7
15°	9076.2	9076.2	9086.2	9110.8	9125.7	9170.2	9194.9	9234.6	9269.2	9318.7	9383.0
17.5°	8922.9	8918.0	8922.9	8952.6	8982.3	9021.8	9041.6	9091.1	9125.7	9190.0	9249.4
20°	8769.6	8779.6	8779.6	8804.2	8823.9	8873.4	8893.2	8947.7	8987.2	9046.5	9115.9
22.5°	8636.0	8631.1	8631.1	8665.8	8680.6	8725.0	8744.7	8794.2	8838.8	8888.3	8952.6
25°	8502.5	8492.5	8512.5	8517.3	8527.1	8576.6	8591.4	8626.1	8670.6	8715.2	8779.6
27.5°	8304.6	8294.8	8299.7	8319.5	8334.3	8373.8	8383.8	8418.4	8453.0	8492.5	8547.1
30°	7923.7	7913.9	7909.0	7943.6	7958.5	7988.0	8002.9	8062.3	8072.1	8116.7	8156.2
32.5°	7419.2	7414.3	7424.3	7453.8	7468.7	7508.4	7528.1	7562.7	7587.3	7612.2	7651.7
35°	6855.4	6845.5	6855.4	6885.2	6885.2	6919.8	6934.6	6949.3	6944.4	6949.3	6939.5
37.5°	6331.2	6326.1	6331.2	6345.9	6331.2	6345.9	6331.2	6301.5	6247.1	6187.7	6128.2
40°	5886.0	5890.8	5861.3	5881.1	5826.5	5816.7	5762.4	5688.1	5579.4	5460.7	5292.5
42.5°	5411.2	5396.3	5376.6	5386.3	5342.0	5307.2	5218.2	5124.3	4985.7	4788.0	4585.0
45°	4827.5	4822.6	4812.6	4807.7	4778.0	4743.4	4669.1	4560.4	4407.1	4204.3	3961.8
47.5°	4258.7	4243.8	4243.8	4248.7	4214.1	4209.2	4149.7	4055.9	3922.3	3724.5	3472.2
50°	3714.5	3709.6	3719.6	3739.3	3714.5	3704.7	3665.2	3600.9	3482.2	3314.0	3076.4
52.5°	3224.8	3220.0	3229.9	3254.6	3244.6	3254.6	3215.1	3165.6	3086.4	2923.1	2715.5
55°	2745.2	2745.2	2745.2	2774.7	2774.7	2774.7	2755.0	2725.4	2651.1	2532.4	2339.6
57.5°	2245.6	2250.5	2280.2	2285.1	2280.2	2290.2	2285.1	2255.4	2206.1	2122.0	1973.6
60°	1825.2	1825.2	1840.0	1854.9	1849.8	1854.9	1854.9	1840.0	1790.6	1721.3	1602.7
62.5°	1444.3	1459.1	1449.1	1459.1	1478.9	1459.1	1449.1	1439.4	1404.8	1360.2	1261.2
65°	1093.1	1103.0	1103.0	1107.9	1098.0	1103.0	1083.3	1068.4	1048.7	999.2	934.9
67.5°	831.0	831.0	831.0	831.0	826.0	821.1	816.2	801.3	766.7	747.0	677.5
70°	638.0	608.3	608.3	608.3	608.3	613.4	598.6	578.8	568.8	534.2	484.7
72.5°	425.3	435.3	425.3	425.3	415.5	420.4	400.7	390.7	380.9	361.2	331.4
75°	306.6	282.0	291.7	296.8	282.0	291.7	272.0	252.2	252.2	237.4	222.5
77.5°	197.9	193.0	197.9	202.8	197.9	193.0	183.0	173.1	173.1	168.2	153.3
80°	143.5	138.4	138.4	138.4	133.6	138.4	128.7	128.7	118.7	113.8	103.8
82.5°	94.1	94.1	89.0	94.1	89.0	94.1	79.2	79.2	79.2	74.1	64.3
85°	64.3	54.4	54.4	59.4	49.5	59.4	54.4	49.5	44.6	44.6	39.5
87.5°	29.7	34.6	29.7	34.6	29.7	29.7	34.6	29.7	29.7	19.7	19.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8
2.5°	10080.3	10085.2	10085.2	10105.1	10114.9	10119.8	10119.8	10159.5	10144.6	10154.6	10164.4
5°	9937.0	9966.5	9976.5	9976.5	10030.8	10050.6	10070.3	10114.9	10119.8	10149.5	10184.1
7.5°	9798.3	9832.9	9852.9	9897.3	9931.9	9966.5	10025.9	10055.7	10085.2	10124.9	10169.3
10°	9664.8	9704.5	9744.0	9778.6	9832.9	9877.5	9917.0	9986.2	10021.0	10075.4	10134.6
12.5°	9536.3	9590.7	9625.3	9684.5	9744.0	9783.5	9842.9	9907.2	9961.6	10016.0	10085.2
15°	9422.5	9486.8	9526.3	9590.7	9655.0	9709.4	9773.7	9852.9	9892.4	9956.7	10021.0
17.5°	9298.7	9368.1	9417.6	9476.9	9556.0	9615.3	9669.9	9748.8	9798.3	9867.5	9941.9
20°	9170.2	9239.5	9298.7	9358.2	9437.4	9496.6	9560.9	9640.1	9694.5	9763.7	9823.2
22.5°	9016.9	9081.3	9145.4	9214.6	9293.8	9343.3	9417.6	9486.8	9546.1	9610.4	9669.9
25°	8819.1	8898.3	8947.7	9011.9	9076.2	9130.5	9209.7	9279.0	9328.4	9387.9	9442.2
27.5°	8586.6	8646.0	8685.5	8739.9	8804.2	8853.7	8912.9	8982.3	9031.8	9086.2	9125.7
30°	8190.8	8245.3	8280.0	8319.5	8383.8	8428.4	8477.8	8542.0	8576.6	8616.3	8650.9
32.5°	7671.4	7716.0	7735.8	7765.5	7810.1	7854.5	7894.2	7948.5	7963.4	7988.0	7988.0
35°	6919.8	6929.6	6924.7	6934.6	6954.4	6979.0	7013.6	7048.2	7068.0	7068.0	7053.3
37.5°	6039.3	5980.0	5915.7	5866.2	5851.3	5841.4	5861.3	5876.0	5895.9	5905.7	5881.1
40°	5124.3	4990.8	4847.2	4718.6	4629.6	4590.1	4575.3	4585.0	4585.0	4619.6	4619.6
42.5°	4337.9	4130.0	3917.5	3724.5	3595.8	3497.0	3452.5	3452.5	3457.3	3482.2	3497.0
45°	3685.0	3422.7	3175.4	2962.8	2784.7	2656.0	2596.8	2581.9	2577.0	2586.8	2621.4
47.5°	3185.3	2913.4	2656.0	2394.0	2206.1	2077.4	2023.1	2003.1	1983.4	2003.1	2008.2
50°	2794.7	2512.7	2240.7	1978.5	1780.6	1666.8	1597.6	1567.8	1563.0	1563.0	1572.9
52.5°	2438.4	2176.4	1904.4	1637.3	1429.4	1320.7	1256.3	1241.5	1221.7	1241.5	1241.5
55°	2102.1	1840.0	1572.9	1320.7	1147.4	1033.8	974.4	954.6	944.7	959.5	959.5
57.5°	1736.2	1513.5	1266.3	1038.7	865.7	786.5	741.9	717.2	712.2	722.1	712.2
60°	1424.5	1236.6	1023.8	816.2	682.6	598.6	563.9	554.0	544.0	554.0	554.0
62.5°	1127.7	969.5	796.2	638.0	524.2	465.0	425.3	425.3	420.4	420.4	425.3
65°	835.9	712.2	588.6	455.0	366.1	321.5	291.7	291.7	286.9	291.7	286.9
67.5°	608.3	524.2	425.3	331.4	262.2	237.4	217.6	202.8	212.8	202.8	197.9
70°	445.2	375.8	306.6	252.2	202.8	178.1	163.3	158.2	148.4	148.4	148.4
72.5°	296.8	252.2	207.7	163.3	133.6	108.7	103.8	94.1	84.1	89.0	98.9
75°	197.9	168.2	148.4	118.7	89.0	89.0	59.4	59.4	49.5	59.4	44.6
77.5°	138.4	113.8	89.0	74.1	59.4	54.4	39.5	39.5	34.6	34.6	34.6
80°	98.9	84.1	64.3	54.4	39.5	39.5	34.6	29.7	24.6	24.6	29.7
82.5°	59.4	44.6	44.6	39.5	24.6	19.7	14.9	19.7	10.0	10.0	10.0
85°	34.6	29.7	24.6	14.9	10.0	10.0	4.9	0.0	4.9	4.9	0.0
87.5°	19.7	10.0	10.0	4.9	0.0	4.9	4.9	0.0	0.0	0.0	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8
2.5°	10189.2	10184.1	10194.1	10194.1	10223.8	10218.7	10233.6	10233.6	10223.8	10228.7	10248.5
5°	10223.8	10238.7	10268.2	10293.0	10337.4	10357.4	10382.0	10406.8	10411.7	10426.6	10441.5
7.5°	10223.8	10273.3	10307.9	10352.3	10411.7	10446.3	10500.7	10545.3	10565.0	10589.7	10619.4
10°	10203.9	10253.3	10317.7	10367.1	10441.5	10495.8	10550.2	10619.4	10649.1	10688.6	10728.3
12.5°	10164.4	10218.7	10288.0	10352.3	10436.4	10485.8	10555.1	10619.4	10664.0	10718.3	10762.9
15°	10105.1	10169.3	10233.6	10297.9	10386.9	10446.3	10510.7	10584.8	10629.4	10688.6	10728.3
17.5°	10011.1	10080.3	10139.7	10199.0	10283.1	10352.3	10411.7	10481.0	10525.5	10575.0	10629.4
20°	9897.3	9961.6	10025.9	10075.4	10159.5	10218.7	10283.1	10347.4	10382.0	10392.0	10476.1
22.5°	9753.9	9798.3	9847.8	9927.0	9976.5	10030.8	10090.3	10149.5	10184.1	10238.7	10268.2
25°	9516.3	9560.9	9615.3	9649.9	9709.4	9753.9	9813.2	9877.5	9897.3	9937.0	9966.5
27.5°	9185.1	9209.7	9234.6	9264.1	9298.7	9323.6	9358.2	9387.9	9407.6	9427.4	9447.1
30°	8660.7	8660.7	8660.7	8640.9	8655.8	8670.6	8675.5	8670.6	8670.6	8665.8	8665.8
32.5°	7968.3	7928.8	7884.2	7844.7	7829.8	7810.1	7800.1	7785.2	7760.6	7745.7	7750.6
35°	7033.4	6944.4	6890.1	6840.6	6801.1	6771.4	6756.5	6741.6	6736.8	6717.0	6697.1
37.5°	5866.2	5801.9	5762.4	5732.7	5698.0	5668.3	5673.2	5678.3	5693.0	5683.2	5688.1
40°	4629.6	4614.7	4629.6	4595.0	4585.0	4595.0	4619.6	4654.4	4674.2	4693.9	4728.6
42.5°	3521.7	3546.3	3581.1	3581.1	3595.8	3615.7	3645.3	3699.8	3729.3	3763.9	3803.6
45°	2651.1	2680.9	2725.4	2740.1	2750.1	2774.7	2809.5	2853.9	2873.7	2903.4	2938.0
47.5°	2042.8	2062.6	2087.2	2112.0	2136.7	2146.6	2181.3	2181.3	2206.1	2225.8	2235.6
50°	1592.7	1612.4	1632.2	1647.0	1657.0	1671.9	1681.6	1696.5	1701.4	1711.4	1716.3
52.5°	1246.4	1271.2	1271.2	1281.0	1295.8	1310.7	1305.8	1310.7	1315.6	1315.6	1330.5
55°	974.4	974.4	989.2	989.2	999.2	994.1	999.2	999.2	999.2	999.2	1004.1
57.5°	727.0	732.1	747.0	737.0	732.1	741.9	732.1	741.9	737.0	747.0	732.1
60°	558.9	558.9	563.9	563.9	568.8	568.8	568.8	563.9	563.9	558.9	558.9
62.5°	420.4	425.3	430.4	425.3	425.3	425.3	420.4	420.4	415.5	410.4	410.4
65°	282.0	277.1	286.9	277.1	282.0	282.0	277.1	282.0	267.1	272.0	267.1
67.5°	202.8	197.9	193.0	197.9	193.0	187.9	187.9	193.0	197.9	183.0	183.0
70°	133.6	138.4	133.6	138.4	143.5	143.5	138.4	133.6	138.4	128.7	133.6
72.5°	84.1	84.1	84.1	84.1	84.1	89.0	89.0	89.0	79.2	79.2	74.1
75°	39.5	54.4	44.6	39.5	54.4	54.4	49.5	49.5	44.6	44.6	44.6
77.5°	39.5	29.7	29.7	29.7	29.7	29.7	29.7	29.7	24.6	29.7	24.6
80°	19.7	19.7	19.7	14.9	19.7	19.7	24.6	19.7	19.7	14.9	24.6
82.5°	10.0	10.0	10.0	0.0	4.9	10.0	10.0	4.9	10.0	10.0	4.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248657

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8
2.5°	10243.6	10238.7	10243.6	10248.5	10243.6	10238.7	10243.6	10248.5	10228.7	10223.8	10233.6
5°	10461.2	10461.2	10471.0	10476.1	10471.0	10461.2	10461.2	10441.5	10426.6	10411.7	10406.8
7.5°	10649.1	10659.1	10668.9	10673.8	10668.9	10659.1	10649.1	10619.4	10589.7	10565.0	10545.3
10°	10762.9	10777.8	10797.5	10807.3	10797.5	10777.8	10762.9	10728.3	10688.6	10649.1	10619.4
12.5°	10812.4	10827.3	10851.9	10847.0	10851.9	10827.3	10812.4	10762.9	10718.3	10664.0	10619.4
15°	10777.8	10797.5	10822.2	10832.1	10822.2	10797.5	10777.8	10728.3	10688.6	10629.4	10584.8
17.5°	10668.9	10698.6	10713.5	10728.3	10713.5	10698.6	10668.9	10629.4	10575.0	10525.5	10481.0
20°	10520.4	10540.4	10560.1	10565.0	10560.1	10540.4	10520.4	10476.1	10392.0	10382.0	10347.4
22.5°	10307.9	10322.8	10367.1	10352.3	10367.1	10322.8	10307.9	10268.2	10238.7	10184.1	10149.5
25°	10001.1	10016.0	10021.0	10025.9	10021.0	10016.0	10001.1	9966.5	9937.0	9897.3	9877.5
27.5°	9472.0	9472.0	9481.7	9486.8	9481.7	9472.0	9472.0	9447.1	9427.4	9407.6	9387.9
30°	8670.6	8670.6	8670.6	8695.5	8670.6	8670.6	8670.6	8665.8	8665.8	8670.6	8670.6
32.5°	7745.7	7735.8	7726.0	7735.8	7726.0	7735.8	7745.7	7750.6	7745.7	7760.6	7785.2
35°	6697.1	6692.2	6707.0	6687.3	6707.0	6692.2	6697.1	6697.1	6717.0	6736.8	6741.6
37.5°	5693.0	5683.2	5702.9	5683.2	5702.9	5683.2	5693.0	5688.1	5683.2	5693.0	5678.3
40°	4738.5	4748.3	4748.3	4788.0	4748.3	4748.3	4738.5	4728.6	4693.9	4674.2	4654.4
42.5°	3823.4	3853.1	3843.1	3872.9	3843.1	3853.1	3823.4	3803.6	3763.9	3729.3	3699.8
45°	2957.7	2977.7	2977.7	2987.5	2977.7	2977.7	2957.7	2938.0	2903.4	2873.7	2853.9
47.5°	2270.2	2270.2	2270.2	2275.3	2270.2	2270.2	2270.2	2235.6	2225.8	2206.1	2181.3
50°	1726.2	1731.1	1736.2	1741.1	1736.2	1731.1	1726.2	1716.3	1711.4	1701.4	1696.5
52.5°	1325.6	1330.5	1320.7	1330.5	1320.7	1330.5	1325.6	1330.5	1315.6	1315.6	1310.7
55°	1004.1	999.2	1004.1	1009.0	1004.1	999.2	1004.1	1004.1	999.2	999.2	999.2
57.5°	737.0	727.0	727.0	727.0	727.0	727.0	737.0	732.1	747.0	737.0	741.9
60°	549.1	554.0	554.0	558.9	554.0	554.0	549.1	558.9	558.9	563.9	563.9
62.5°	405.5	420.4	410.4	420.4	410.4	420.4	405.5	410.4	410.4	415.5	420.4
65°	262.2	262.2	262.2	267.1	262.2	262.2	262.2	267.1	272.0	267.1	282.0
67.5°	178.1	183.0	193.0	187.9	193.0	183.0	178.1	183.0	183.0	197.9	193.0
70°	143.5	128.7	128.7	143.5	128.7	128.7	143.5	133.6	128.7	138.4	133.6
72.5°	84.1	74.1	84.1	84.1	84.1	74.1	84.1	74.1	79.2	79.2	89.0
75°	44.6	39.5	34.6	49.5	34.6	39.5	44.6	44.6	44.6	44.6	49.5
77.5°	29.7	24.6	34.6	34.6	34.6	24.6	29.7	24.6	29.7	24.6	29.7
80°	14.9	19.7	14.9	24.6	14.9	19.7	14.9	24.6	14.9	19.7	19.7
82.5°	4.9	10.0	10.0	10.0	10.0	10.0	4.9	4.9	10.0	10.0	4.9
85°	0.0	10.0	4.9	4.9	4.9	10.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	0.0	0.0	4.9	0.0	0.0	4.9	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248657

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8
2.5°	10233.6	10218.7	10223.8	10194.1	10194.1	10184.1	10189.2	10164.4	10154.6	10144.6	10159.5
5°	10382.0	10357.4	10337.4	10293.0	10268.2	10238.7	10223.8	10184.1	10149.5	10119.8	10114.9
7.5°	10500.7	10446.3	10411.7	10352.3	10307.9	10273.3	10223.8	10169.3	10124.9	10085.2	10055.7
10°	10550.2	10495.8	10441.5	10367.1	10317.7	10253.3	10203.9	10134.6	10075.4	10021.0	9986.2
12.5°	10555.1	10485.8	10436.4	10352.3	10288.0	10218.7	10164.4	10085.2	10016.0	9961.6	9907.2
15°	10510.7	10446.3	10386.9	10297.9	10233.6	10169.3	10105.1	10021.0	9956.7	9892.4	9852.9
17.5°	10411.7	10352.3	10283.1	10199.0	10139.7	10080.3	10011.1	9941.9	9867.5	9798.3	9748.8
20°	10283.1	10218.7	10159.5	10075.4	10025.9	9961.6	9897.3	9823.2	9763.7	9694.5	9640.1
22.5°	10090.3	10030.8	9976.5	9927.0	9847.8	9798.3	9753.9	9669.9	9610.4	9546.1	9486.8
25°	9813.2	9753.9	9709.4	9649.9	9615.3	9560.9	9516.3	9442.2	9387.9	9328.4	9279.0
27.5°	9358.2	9323.6	9298.7	9264.1	9234.6	9209.7	9185.1	9125.7	9086.2	9031.8	8982.3
30°	8675.5	8670.6	8655.8	8640.9	8660.7	8660.7	8660.7	8650.9	8616.3	8576.6	8542.0
32.5°	7800.1	7810.1	7829.8	7844.7	7884.2	7928.8	7968.3	7988.0	7988.0	7963.4	7948.5
35°	6756.5	6771.4	6801.1	6840.6	6890.1	6944.4	7033.4	7053.3	7068.0	7068.0	7048.2
37.5°	5673.2	5668.3	5698.0	5732.7	5762.4	5801.9	5866.2	5881.1	5905.7	5895.9	5876.0
40°	4619.6	4595.0	4585.0	4595.0	4629.6	4614.7	4629.6	4619.6	4619.6	4585.0	4585.0
42.5°	3645.3	3615.7	3595.8	3581.1	3581.1	3546.3	3521.7	3497.0	3482.2	3457.3	3452.5
45°	2809.5	2774.7	2750.1	2740.1	2725.4	2680.9	2651.1	2621.4	2586.8	2577.0	2581.9
47.5°	2181.3	2146.6	2136.7	2112.0	2087.2	2062.6	2042.8	2008.2	2003.1	1983.4	2003.1
50°	1681.6	1671.9	1657.0	1647.0	1632.2	1612.4	1592.7	1572.9	1563.0	1563.0	1567.8
52.5°	1305.8	1310.7	1295.8	1281.0	1271.2	1271.2	1246.4	1241.5	1241.5	1221.7	1241.5
55°	999.2	994.1	999.2	989.2	989.2	974.4	974.4	959.5	959.5	944.7	954.6
57.5°	732.1	741.9	732.1	737.0	747.0	732.1	727.0	712.2	722.1	712.2	717.2
60°	568.8	568.8	568.8	563.9	563.9	558.9	558.9	554.0	554.0	544.0	554.0
62.5°	420.4	425.3	425.3	425.3	430.4	425.3	420.4	425.3	420.4	420.4	425.3
65°	277.1	282.0	282.0	277.1	286.9	277.1	282.0	286.9	291.7	286.9	291.7
67.5°	187.9	187.9	193.0	197.9	193.0	197.9	202.8	197.9	202.8	212.8	202.8
70°	138.4	143.5	143.5	138.4	133.6	138.4	133.6	148.4	148.4	148.4	158.2
72.5°	89.0	89.0	84.1	84.1	84.1	84.1	84.1	98.9	89.0	84.1	94.1
75°	49.5	54.4	54.4	39.5	44.6	54.4	39.5	44.6	59.4	49.5	59.4
77.5°	29.7	29.7	29.7	29.7	29.7	29.7	39.5	34.6	34.6	34.6	39.5
80°	24.6	19.7	19.7	14.9	19.7	19.7	19.7	29.7	24.6	24.6	29.7
82.5°	10.0	10.0	4.9	0.0	10.0	10.0	10.0	10.0	10.0	10.0	19.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248657

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8
2.5°	10119.8	10119.8	10114.9	10105.1	10085.2	10085.2	10080.3	10065.4	10055.7	10050.6	10050.6
5°	10070.3	10050.6	10030.8	9976.5	9976.5	9966.5	9937.0	9917.0	9907.2	9882.4	9872.6
7.5°	10025.9	9966.5	9931.9	9897.3	9852.9	9832.9	9798.3	9783.5	9748.8	9724.2	9709.4
10°	9917.0	9877.5	9832.9	9778.6	9744.0	9704.5	9664.8	9635.2	9590.7	9565.8	9546.1
12.5°	9842.9	9783.5	9744.0	9684.5	9625.3	9590.7	9536.3	9501.7	9457.1	9407.6	9377.9
15°	9773.7	9709.4	9655.0	9590.7	9526.3	9486.8	9422.5	9383.0	9318.7	9269.2	9234.6
17.5°	9669.9	9615.3	9556.0	9476.9	9417.6	9368.1	9298.7	9249.4	9190.0	9125.7	9091.1
20°	9560.9	9496.6	9437.4	9358.2	9298.7	9239.5	9170.2	9115.9	9046.5	8987.2	8947.7
22.5°	9417.6	9343.3	9293.8	9214.6	9145.4	9081.3	9016.9	8952.6	8888.3	8838.8	8794.2
25°	9209.7	9130.5	9076.2	9011.9	8947.7	8898.3	8819.1	8779.6	8715.2	8670.6	8626.1
27.5°	8912.9	8853.7	8804.2	8739.9	8685.5	8646.0	8586.6	8547.1	8492.5	8453.0	8418.4
30°	8477.8	8428.4	8383.8	8319.5	8280.0	8245.3	8190.8	8156.2	8116.7	8072.1	8062.3
32.5°	7894.2	7854.5	7810.1	7765.5	7735.8	7716.0	7671.4	7651.7	7612.2	7587.3	7562.7
35°	7013.6	6979.0	6954.4	6934.6	6924.7	6929.6	6919.8	6939.5	6949.3	6944.4	6949.3
37.5°	5861.3	5841.4	5851.3	5866.2	5915.7	5980.0	6039.3	6128.2	6187.7	6247.1	6301.5
40°	4575.3	4590.1	4629.6	4718.6	4847.2	4990.8	5124.3	5292.5	5460.7	5579.4	5688.1
42.5°	3452.5	3497.0	3595.8	3724.5	3917.5	4130.0	4337.9	4585.0	4788.0	4985.7	5124.3
45°	2596.8	2656.0	2784.7	2962.8	3175.4	3422.7	3685.0	3961.8	4204.3	4407.1	4560.4
47.5°	2023.1	2077.4	2206.1	2394.0	2656.0	2913.4	3185.3	3472.2	3724.5	3922.3	4055.9
50°	1597.6	1666.8	1780.6	1978.5	2240.7	2512.7	2794.7	3076.4	3314.0	3482.2	3600.9
52.5°	1256.3	1320.7	1429.4	1637.3	1904.4	2176.4	2438.4	2715.5	2923.1	3086.4	3165.6
55°	974.4	1033.8	1147.4	1320.7	1572.9	1840.0	2102.1	2339.6	2532.4	2651.1	2725.4
57.5°	741.9	786.5	865.7	1038.7	1266.3	1513.5	1736.2	1973.6	2122.0	2206.1	2255.4
60°	563.9	598.6	682.6	816.2	1023.8	1236.6	1424.5	1602.7	1721.3	1790.6	1840.0
62.5°	425.3	465.0	524.2	638.0	796.2	969.5	1127.7	1261.2	1360.2	1404.8	1439.4
65°	291.7	321.5	366.1	455.0	588.6	712.2	835.9	934.9	999.2	1048.7	1068.4
67.5°	217.6	237.4	262.2	331.4	425.3	524.2	608.3	677.5	747.0	766.7	801.3
70°	163.3	178.1	202.8	252.2	306.6	375.8	445.2	484.7	534.2	568.8	578.8
72.5°	103.8	108.7	133.6	163.3	207.7	252.2	296.8	331.4	361.2	380.9	390.7
75°	59.4	89.0	89.0	118.7	148.4	168.2	197.9	222.5	237.4	252.2	252.2
77.5°	39.5	54.4	59.4	74.1	89.0	113.8	138.4	153.3	168.2	173.1	173.1
80°	34.6	39.5	39.5	54.4	64.3	84.1	98.9	103.8	113.8	118.7	128.7
82.5°	14.9	19.7	24.6	39.5	44.6	44.6	59.4	64.3	74.1	79.2	79.2
85°	4.9	10.0	10.0	14.9	24.6	29.7	34.6	39.5	44.6	44.6	49.5
87.5°	4.9	4.9	0.0	4.9	10.0	10.0	19.7	19.7	19.7	29.7	29.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248657

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8	10129.8
2.5°	10040.8	10045.7	10025.9	10021.0	10011.1	10016.0	10025.9
5°	9857.8	9862.7	9842.9	9823.2	9823.2	9818.1	9823.2
7.5°	9684.5	9689.6	9659.9	9649.9	9630.2	9635.2	9635.2
10°	9511.5	9511.5	9467.1	9462.0	9447.1	9442.2	9442.2
12.5°	9343.3	9328.4	9293.8	9274.1	9284.1	9254.3	9254.3
15°	9194.9	9170.2	9125.7	9110.8	9086.2	9076.2	9076.2
17.5°	9041.6	9021.8	8982.3	8952.6	8922.9	8918.0	8922.9
20°	8893.2	8873.4	8823.9	8804.2	8779.6	8779.6	8769.6
22.5°	8744.7	8725.0	8680.6	8665.8	8631.1	8631.1	8636.0
25°	8591.4	8576.6	8527.1	8517.3	8512.5	8492.5	8502.5
27.5°	8383.8	8373.8	8334.3	8319.5	8299.7	8294.8	8304.6
30°	8002.9	7988.0	7958.5	7943.6	7909.0	7913.9	7923.7
32.5°	7528.1	7508.4	7468.7	7453.8	7424.3	7414.3	7419.2
35°	6934.6	6919.8	6885.2	6885.2	6855.4	6845.5	6855.4
37.5°	6331.2	6345.9	6331.2	6345.9	6331.2	6326.1	6331.2
40°	5762.4	5816.7	5826.5	5881.1	5861.3	5890.8	5886.0
42.5°	5218.2	5307.2	5342.0	5386.3	5376.6	5396.3	5411.2
45°	4669.1	4743.4	4778.0	4807.7	4812.6	4822.6	4827.5
47.5°	4149.7	4209.2	4214.1	4248.7	4243.8	4243.8	4258.7
50°	3665.2	3704.7	3714.5	3739.3	3719.6	3709.6	3714.5
52.5°	3215.1	3254.6	3244.6	3254.6	3229.9	3220.0	3224.8
55°	2755.0	2774.7	2774.7	2774.7	2745.2	2745.2	2745.2
57.5°	2285.1	2290.2	2280.2	2285.1	2280.2	2250.5	2245.6
60°	1854.9	1854.9	1849.8	1854.9	1840.0	1825.2	1825.2
62.5°	1449.1	1459.1	1478.9	1459.1	1449.1	1459.1	1444.3
65°	1083.3	1103.0	1098.0	1107.9	1103.0	1103.0	1093.1
67.5°	816.2	821.1	826.0	831.0	831.0	831.0	831.0
70°	598.6	613.4	608.3	608.3	608.3	608.3	638.0
72.5°	400.7	420.4	415.5	425.3	425.3	435.3	425.3
75°	272.0	291.7	282.0	296.8	291.7	282.0	306.6
77.5°	183.0	193.0	197.9	202.8	197.9	193.0	197.9
80°	128.7	138.4	133.6	138.4	138.4	138.4	143.5
82.5°	79.2	94.1	89.0	94.1	89.0	94.1	94.1
85°	54.4	59.4	49.5	59.4	54.4	54.4	64.3
87.5°	34.6	29.7	29.7	34.6	29.7	34.6	29.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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